



STDN DAILY REPORT
FOR GMT DAYS
21, 22, 23, 24, 25 26 AND 27 DECEMBER
2000

Part I. Operations

21 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. AGS/EO-1 Support

21/0656-0707Z

EO-1 reported no commands were reaching the Spacecraft. The operator transmitted several command to S/C followed by a resweep of the uplink, checking all the command equipment and found no problems. Upon further investigation the operator discovered the clock and data path for the computer controlled digital switch was not patched. The patches were inserted and a test command was successful. The POCC is not declaring a data loss. TTR # 23349 CDS ID # 17742

22 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. SGS Boresite

21 December 00

December 21,2000 site SGS red due to fire. The fire brigade tried to reach the site with a helicopter, but due to strong winds it was unsuccessful. Satellite tracking was not effected.

2. AGO TOMS-EP Support

22/1624-1638Z

Station reported voice and data lines outage, anomaly is due to GDC MINI MUX failure at GSFC. MCI Worldcom still is investigating this anomaly.

1624-1638Z 14 Min. Svc/Data Loss (Non-Recov)

23 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies :

1. AGO TOMS-EP Support

23/1718-1730Z

Station reported voice and data lines outage, anomaly is due to GDC MINI MUX failure at GSFC. MCI Worldcom still is investigating this anomaly.

1718-1730Z 12 Min. Svc/Data Loss (Non-Recov)

2. SGS/EO-1 Support

23/2009-2011Z

At 20:09:00Z (12 deg EI) station lost X-band. Station discovered the antenna did not move as predicted and the station did not lose S-band or tracking signal. We forced the ACU in to program track and back to autotrack, The station then received X-band telemetry, However the station suspects that it locked on an unknown satellite. TTR # 2350 CDS ID # 17750

1959-2011Z 1 Min. 20 Sec. Svc/Data Loss (Non-Recov)

24 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies :

1. AGO TOMS-EP Support 24/1632-1646Z

Station reported voice and data lines outage, anomaly is due to GDC MINI MUX failure at GSFC. MCI Worldcom still is investigating this anomaly.

1632-1646Z 14 Min. Svc/Data Loss (Non-Recov)

2. AGS/SNOE Support 24/1936-1947Z

SNOE #15555 (359/19:36Z), LEO-T came up normal for this support. At AOS LEO-T was unable to make socket connections with the SNOE project. TOTS was shadowing this support so the Up link from LEO-T was terminated and a new uplink from TOTS was initiated. Reswept the S/C and Project was able to get commands into the S/C. Project indicated that the S/C on board instruments went off line after the resweep. Project was able to CMD all equipment back on line but was unable to get their normal commanding in during this support. TTR # 23351 CDS ID # 17753

11 Min Svc Loss (Recov N/A)

25 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies:

1. ISS Support 25/0549-0635Z

At AOS of TDRS 171 Event POCC reported that they were unable to command. Troubleshooting anomaly indicated all WSC equipment was working correctly. Further investigation with the CD Manager and Houston Command revealed that the commanding anomaly was the result of a misconfiguration by Houston. LPA 407 was selected instead of LPA 405. TTR # 23352

171 0549-0625Z SSA1F/R 34 Min. 18 Sec. Svc Loss.
TDS 0624-0650Z SSA1F/R 09 Min. 39 Sec. Svc Loss.

C. GN Anomalies - None.

1. AGS/FAST Support 25/1632-1656Z

AGS Equipment anomaly TPCE failed to connect to FAST support. TTR # 23356 DR # 17754

1632-1702Z 24 Min. Svc/Data Loss (Recov)

D. Long Duration Balloon was postponed due to High Winds.

26 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies: - None.

C. GN Anomalies :

1. AGS/EO1 Support 26/1901-1912Z

The operator noticed that the antenna quit moving in elevation at 2.9 degrees and that the ACU had stopped and the TDF angles went static. Because the commanded elevation at the time of the anomaly being 0.00 degrees, it is assumed that the ephemeris data attached to the EO-1 pass was corrupt due to the fact that after rebooting the SCC the following EO-1 pass went smoothly and was considered nominal by the EO-1 MOC. When the

antenna moves to a "given" location prior to receiving instruction from the ACU, then instructions from the two-line element it is assumed that the spacecraft is at that locations.
TTR # 23358 CDS ID # 17755

11 Mins Svc/Data Loss (Non-Recov)

27 DECEMBER

A. SN Anomalies:

1. TERRA Support 27/0152-0157Z

TERRA experienced a late acq of 2 min.30 sec.with a lock of 35 sec. with low EB/NO (<6) and a dropout of 1 min.30 sec. until final lock at 01:57:20. No RF seen on spectrum analyzer until 01:57:20. I channel EB/NO start at 01:57:20 at 11 and climbed to 24.2 at 01:58:00. TTR # 23357

0152-0212Z TDS SSA-1 4 Min Svc/Data Loss (Recov

B. ISS/ECOMM Anomalies: - None.

C. GN Anomalies: - None.

1. SGS/QST Support 27/0016-0031Z

The operator was unable to bring the antenna out of interlock. The Project was able to re-acquire good tracking by selecting RH track and then going back to LH auto track. The project is investigating this anomaly. TTR # 23359 CDS ID # 17756

15 Mins 14 Sec Svc/Data Loss (Recov Unknown)

2. SGS/LSAT-7 Support 27/130119-1311Z

The POCC was unable to command due to a SCC software problem at SGS. TTR # 23361 CDS ID # 17758

1301-1315Z 9 Min 41 Sec Service loss

Part II. Testing Anomalies

A. SN Test: - None.

B. GN Test: - None.

Part III. Equipment Status Changes :

B. NCC Red Items

** 1. NCC 040: SPSV:02-C3 RY12211630 12312339Z 1PURN Auto
Reboots SPSR Server #2

C. GN Red Items:

\$1. WPS 906: LRSA:02-L6, Satan Receive Antenna #2, RY
12170200Z, ETRO 01082359Z. Have done a temporary work
around on Shorted cable. System working until main problem
can Be fixed.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities: - None.

Part V. Launch Forecast Changes

* 1.) M2098LS (STS-98/ISS-07,5A) NET 18 JAN.,2001 T-0 =
0736:34Z

* 2.) W1501LS (LDBP) 001 01 JAN.,2001 T-0 =
UNKNOWN

* 3.) W1502LS (LDBP) 015 15 JAN.,2001 T-0 =
UNKNOWN

* 4.) W1501LS (LDBP)
UNKNOWN

029 29 JAN.,2001 T-0 =